

ABSTRACT

A fire retarding polypropylene composition comprising a copolymer of polypropylene in which ethylene/propylene rubber has been grafted onto the polypropylene chains, and at least about 50% by weight but not greater than 60% by weight of a magnesium hydroxide coated with an anionic surface active agent, the magnesium hydroxide having (i) a strain in the $\langle 101 \rangle$ direction of not more than 3.0×10^{-3} , (ii) a crystallite size in the $\langle 101 \rangle$ direction of more than 800 Å, and (iii) a specific surface area, determined by the BET method, of less than 20 mg²/g. The composition may be used in the formation of articles adapted to be used in a clean room, which pass the FMRC standards.

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